

LISTING OF CLAIMS

1. (currently amended) A ~~pliable~~ refractory metal carrier ~~for use in a conformable catalyst member, comprising a tube of corrugated construction,~~ the carrier having coated thereon an intermetallic anchor layer ~~selected from the groups consisting of nickel, Ni/Cr/Al/Y, Co/Cr/Al/Y, Fe/Cr/Al/Y, Co/Ni/Cr/Al/Y, Fe/Ni/Cr, Fe/Cr/Al, Ni/Cr, Ni/Al, 300 series stainless steels, 400 series stainless steels, Fe/Cr and Co/Cr, and mixtures of two or more thereof,~~ the carrier and the anchor layer respectively being dimensioned and configured whereby bending of the carrier commensurately bends the anchor layer, the anchor layer being capable of retaining a catalytic coating applied thereto intact on the carrier when the ~~pliable~~ carrier is bent, the carrier being adapted for use in a conformable catalyst member.
2. (currently amended) The ~~pliable~~ carrier of claim 1 having a plurality of perforations formed around the periphery of the tube therein.
3. (currently amended) The ~~pliable~~ carrier of claim 1 having a catalytic coating on the anchor layer to provide a conformable catalyst member.
4. (canceled)
5. (currently amended) The ~~pliable~~ carrier of claim 1 4, wherein the tube ~~is~~ of corrugated construction comprises alternating rings separated by annular webs.
6. (currently amended) The ~~pliable~~ carrier of claim 1 wherein the anchor layer is electric arc sprayed.

7. - 29. (Canceled)

30. (new) The carrier of claim 1 wherein the intermetallic anchor layer is selected from the group consisting of nickel, Ni/Cr/Al/Y, Co/Cr/Al/Y, Fe/Cr/Al/Y, Co/Ni/Cr/Al/Y, Fe/Ni/Cr, Fe/Cr/Al, Ni/Cr, Ni/Al, 300 series stainless steels, 400 series stainless steels, Fe/Cr and Co/Cr, and mixtures of two or more thereof.

31. (new) The carrier of claim 1 wherein the tube includes an elongate body portion which is dimensioned and configured to be mounted within a curved or bent pipe having an open discharge end, the carrier having coated thereon an anchor layer suitable for having a catalytic coating applied thereto, the carrier having a distal end and a proximal end, the proximal end comprising a mounting member dimensioned and configured to be secured to the open discharge end of the pipe when the body portion of the carrier is disposed within the pipe.

32. (new) The carrier of claim 31 wherein the mounting member comprises an annular collar defining a mounting flange which is disposed radially outwardly of the proximal end of the catalyst member and extends in the direction from the proximal end towards the distal end thereof, whereby to define between the mounting flange and the proximal end of the catalyst member an annular slot which is dimensioned and configured to receive therein the open discharge end of the pipe, when the body portion of the carrier is disposed within the pipe.

33. (new) The carrier of claim 32 having a catalytic material coated on at least some of the body portion of the carrier, to provide a catalyst member.

34. (new) A refractory metal carrier comprising a plurality of perforated plate members having opposite faces and disposed in a face-to-face linear array to impart a cylindrical shape to the carrier and to form accordion pleats, the plate members having protrusions extending from their faces which space adjacent plate members from each other, the carrier having coated thereon an intermetallic anchor layer adapted for use in a conformable catalyst member that can be placed in a bent or curved configuration.

35. (new) The refractory metal carrier of claim 34, wherein the intermetallic anchor layer is selected from the group consisting of nickel, Ni/Cr/Al/Y, Co/Cr/Al/Y, Fe/Cr/Al/Y, Co/Ni/Cr/Al/Y, Fe/Ni/Cr, Fe/Cr/Al, Ni/Cr, Ni/Al, 300 series stainless steels, 400 series stainless steels, Fe/Cr and Co/Cr, and mixtures of two or more thereof.

36. (new) The carrier of claim 34 having a catalytic coating on the anchor layer to provide a conformable catalyst member.